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SPECIAL EDITION 3/1999

TRANSLATION FROM ITALIAN

[Only entries with answers translated; answers are in bold face.]

MINISTRY OF INDUSTRY, COMMERCE AND CRAFTS

ITALIAN OFFICE OF PATENTS AND TRADEMARKS [IOPT]—ROME

[Documentary stamp
canceled by date]

PATENT APPLICATION FOR INDUSTRIAL INVENTION. RESERVATION FILING,
ADVANCE ACCESSIBILITY TO THE PUBLIC [remainder illegible]

A. APPLICANT (I)

1) Name: **COLORIFICIO ADRIATICO**
Domicile: **61030 LUCREZIA (PS), VIA PILONE 86**

NG: **SR**
Code: **00150130417**

B. AGENT OF THE APPLICANT AT THE IOPT

Given and family names: **GIANLUCA BENEDETTI** Tax code: **BNDGLC54H06L5000**

Name of office with which affiliated:
Via **BRUNO BUOZZI No. 63**

UFFICIO BREVETTI PEDRINI E BENEDETTI
City: **PESARO**, Postal Code: **61100**, Province: **PS**

D. TITLE

METHOD FOR THE INSTANT PREPARATION OF VARNISHES AND PAINTS

APPENDED DOCUMENTATION

No. of copies

| | | | |
|--------|---|--------------|----------------|
| Doc. 1 | 2 | No. of pages | 12 [illegible] |
| Doc. 2 | 2 | No. of figs. | 01 [illegible] |
| Doc. 3 | 1 | | [illegible] |
| Doc. 4 | 1 | | [illegible] |

8) Certificate of payment, total in Lire: **THREE HUNDRED AND SIXTY-FIVE THOUSAND**

Signature of Applicant: **per GIANLUCA BENEDETTI**
[Signature]

CONTINUATION - YES/NO: **NO**

AN AUTHENTICATED COPY OF THIS DOCUMENT IS REQUESTED: YES/NO **YES**

PROVINCIAL OFFICE OF INDUSTRY, COMMERCE AND CRAFTS: **PESARO AND URBINO**

CODE: **41**

FILING RECORD - APPLICATION NUMBER **PS98A000005**

The year Nineteen Hundred and **NINETY-EIGHT** on Day **TWENTY-THREE** of the month of **FEBRUARY**

VARIOUS ANNOTATIONS OF THE DRAFTING OFFICIAL

THE FILER
[Sgd.] *G. Benedetti*

[Seal of the Ministry]

Drafting Official
[Illegible Signature]

NAME OF INVENTOR
[Mostly illegible article of the Law]

[Documentary stamp canceled by date]

Ref.:

The undersigned applicant:

- 1) **COLORIFICIO ADRIATICO COMPANY**
- 2) **61030 LUCREZIA (PS) - VIA PILONE, 86** Code: 00150130417

Applicant for the above-mentioned patent of the title:

**METHOD FOR THE INSTANT PREPARATION OF VARNISHES
AND PAINTS**

Designated as inventor:

PAOLO MARCHIONNI

Place and date:

Lucrezia 02/18/1998

Signature of applicant and agent

[Illegible]

CONSENT DECLARATION

The undersigned:

PAOLO MARCHIONNI

declares that he is the inventor of the invention subject of the above-mentioned patent application.

Lucrezia, 02/18/1998

Signature:
[Illegible]

February 23, 1998

PS98A000005

[Stamp:]

PROVINCIAL OFFICE OF INDUSTRY, COMMERCE AND CRAFTS
PESARO AND URBINO
DRAFTING OFFICIAL
[Signature]

SUMMARY OF INVENTION WITH PRINCIPAL DRAWING

APPLICATION NUMBER: PS98A000005

DATE FILED: February 23, 1998

PATENT NUMBER:

DATE ISSUED:

A. REQUESTER [illegible]

Name
Domicile:

B. TITLE

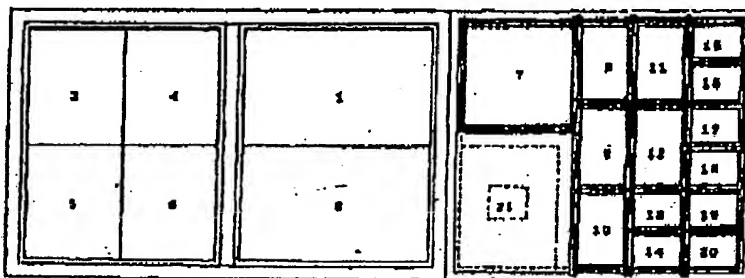
[Illegible]

I. ABSTRACT:

METHOD FOR THE INSTANT PREPARATION OF VARNISHES AND PAINTS INCLUDING PREPARATION, WHEN REQUIRED, OF BASES FOR GUIDED DOSAGE OF THEIR RESPECTIVE COMPONENTS AND ADDITION OF DYES.

[Illegible]

II. DRAWING



DESCRIPTION

complementary to the application for a patent of industrial invention having as object and

TITLE

METHOD FOR THE INSTANT PREPARATION OF VARNISHES AND PAINTS

On behalf of the company known as Colorificio Adriatico S. r. l., an Italian limited liability company, with head office in Lucrezia di Cartoceto, postal code 61030, Province of Pesaro, via Pillone No. 86, fiscal code 00150130417, in the person of their legal representative Mr. Paolo Marchionni;

- Mr. Paolo Marchionni, inventor designate, born in Fano, Province of Pesaro, on February 10, 1943, residing in Fano, postal code 61032, Province of Pesaro, Via Caprera No. 14, fiscal code MRC PLA 43B10 D488I;

- through their agent Gianluca Benedetti, attorney in Pesaro, with elected domicile in 61100 Pesaro at Via Bruno Buozzi No. 63, care of the Ufficio Brevetti Pedrini & Benedetti.

Registered on February 23, 1998 under No.

SUMMARY

- Method for the instant preparation of varnishes and paints including, when required, bases for guided dosage of their respective components and addition of dyes.

DETAILED DESCRIPTION

Scope of technology

- Already known in the retail sale of varnishes, paints, and the like is the technology for preparing, when required, tints and color shades requested by the customer, by mixing appropriate quantities of color bases as indicated by the Pantone system, which visually identify the color contingently desired and combine the doses required to obtain same;

- this technology provides retailers with a wide range of products without burdening their storage facilities, resulting in benefits in terms of reduced inventory, space and anything else intuitive.

Identifying a specific technical problem

- However, the known technology identified alleviates only the burden on the retailer's warehouse since "bases" for varnishes and paints, intended as the substances and amalgams chromatically neutral or less diversified as to chemical and/or physical distinctive features and/or as to dosage of components, which serve to give the product all the additional characteristics and specificities of application, as well as subsequent surface appearance with respect to chromaticity, still remain a relatively considerable plurality, as a result of which a retailer is forced to keep an appropriate inventory of all "bases", each in the relative multiplicity of different packaging for quantity use.

Purpose of the invention

- Therefore, the main objective of this invention, within the above-mentioned scope, is to provide a technology designed to further limit the need for stock assortment where paint and varnish retailers are concerned.
- Another objective of this invention is to accomplish the previous objective through a technology of easy and quick implementation.
- One more objective of this invention is to accomplish the previous objectives through a suitable technology to be adopted in as wide as possible a field of application, as well as to be compatible with the polyvalence and modularity requirements that are increasingly in force in the specific sector.
- A further objective of this invention is to achieve the previous objectives through devices that are easy to implement.
- A further objective of this invention is to achieve the previous objectives through a technology that is both simple and effective, safe to implement, as well as relatively cost-effective in consideration of the results obtained in practice.

Abstract of the solution principle

- These as well as still other objectives, not all of them achieved through the method for the instant preparation of varnishes and paints, according to this invention, including the preparation of bases, when required, for guided dosage of their respective components and addition of dyes.

Identifying the attached drawings

- Other features and advantages of the method according to this invention will be more apparent from the following detailed description of one of its forms of preferred but not exclusive embodiments, referred to only by way of example and not limited to a device of relevant implementation schematically shown in the only table of drawings attached hereto.

Description of the implementation example

- The method according to this invention envisages, in lieu of acquisition and storage by retailers of bases for paints and varnishes prepared in advance, in a relatively considerable variety for different grades and features, as well as, within these, a selection of packaging for different amounts, the preparation of bases by the retailers themselves;
- retailers are provided, if needed, with the basic components of bases, and their additives, in the reduced plurality whose differential combination and dosage will produce essentially all the bases of usual use and commercial availability, or a greater part of them;
- retailers are also provided with a handbook for formulating, dosing, and mixing the components supplied and their additives in order to obtain the basic preparations used in formulating paints and varnishes;
- to these bases, thus contingently prepared as needed, can later be added the colors to obtain the tints and shades required, as per Pantone instructions.
- The method just described can be implemented through the device shown by way of example in the sole attached table of drawings:
 - which illustrates, in extreme schematic outline, the plan of a sales counter, on one side of which the sales personnel operate, with the customers on the other side;
 - the counter includes altogether twenty containers or tanks which can be conceptually subdivided into two groups, the first six containing bases and the remaining fourteen containing additives and coloring pastes, in greater detail;
 - numbers 1 and 2 indicate two containers or tanks of larger size, preferably made of fiberglass,

designed to contain basic components of more frequent and wider use, as for example "neutral smooth base" and "neutral quartz base";

- numbers 3 to 6, then, indicate four containers or tanks of smaller sizes, designed to contain as many other basic components, as for example "extender filler", "transparent acrylic resin", "acrylic styrene resin" and "vinyl versatate";

- proceeding to the second group of containers, number 7 indicates the largest container or tank of this group, designed to contain the basic color of widest use, that is "white color paste";

- in addition, numbers 8 to 12 indicate four other containers or tanks of smaller sizes, the first designed to contain the first other basic color of widespread use, that is "yellow ochre color paste" and the other four to contain additives, e.g. "silicate", "CR - SB solution", "lime" and "siloxane additive";

- numbers 13 to 20 finally indicate the last eight containers or tanks of still smaller size, designed to contain other basic colors, for example "red color paste", "blue color paste", "orange color paste", "red titanate color paste", "yellow color paste", "black color paste", "yellow titanate color paste", and "green color paste".

- The structure then is completed by a dispensing head, schematically illustrated and indicated by 21, to be intended as equipped with a metering device connected to pipes drawing through their respective pumps in each of the containers or tanks numbered 1 to 20.

Implementation alternatives

- It is obvious that in other alternative forms of implementation but always within the concept of innovation subsumed under the example of implementation shown above and claimed hereunder, the method according to this invention may also be implemented with various and/or other basic components and coloring and additive agents, as well as materialized in devices including technical and mechanical equivalents, also equipped with other integrative devices and with configurations of their respective components however varied in a manner suitable for the purpose.

Advantages of the invention

- As is obvious from the preceding detailed description of a preferred example of implementation, the method according to this invention offers such advantages as correspond to the achievement of the predetermined objectives and still others: as a matter of fact, it integrates

ROHM and HAAS—Method for the instant preparation of varnishes and paints (Italian) • 9

a feasible technology of simple implementation to drastically contain the need for assortment of the inventory held by retailers of varnishes, paints, and the like.

CLAIMS

- 1) Method of preparation of varnishes, paints and the like, characterized by the fact of including preparation, when required, of bases for guided dosage of their respective components and addition of dyes.
- 2) Method according to the first claim, characterized by the fact of including formulation on the part of retailers of mixtures and amalgams chromatically neutral or less diversified as to chemical and/or physical distinctive features, and/or of dosage of components apt to confer on the varnishes, paints and the like all the other characteristics and specificities of application and subsequent surface appearance with respect to chromaticity, by means of a handbook for combining, dosing, and mixing said components and their respective additives, as well as subsequent coloring to obtain the tints and shades in accordance with the Pantone instructions.
- 3) Method according to the preceding claims, characterized by the fact of being implemented with basic components, coloring and addition of additives of any type in any assortment whatsoever.
- 4) Method according to the preceding claims, characterized by the fact of being implemented by means of a mixing bench equipped with tanks for the basic components and colors, as well as facilities for their corresponding dosage and mixing.
- 5) Method according to the preceding claims, characterized by the fact of being implemented by means of a sales mixing bench equipped with a variety of containers and tanks, and by metering means connected to pipes and pumps combined with said containers and tanks.
- 6) Method according to the preceding claims, characterized by the fact of being implemented by means of a mixing bench that is structured and sized suitably for the purpose.
- 7) Method according to the preceding claims, characterized by the fact of being implemented by means of a mixing bench including containers and tanks that are quantified, structured, and also reciprocally sized suitably for the purpose.
- 8) Method according to the preceding claims, characterized by the fact of being implemented by means of a mixing bench, including containers and tanks made of any material suitable for the purpose.

- 9) Method according to the preceding claims, characterized by the fact of being implemented by means of a mixing bench with metering dispensing means connected to pipes and pumps combined with containers and tanks of any type whatsoever suitable for the purpose and structured accordingly.
- 10) Method for the preparation of varnishes, paints and the like according to the preceding claims and substantially as described and illustrated with reference to the attached table of drawings as well as for the specified purposes.

p.p. Colorificio Adriatico s.r.l.

The Agent

Attorney Gianluca Benedetti

February 23, 1998

1/3/1

DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat
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14937928

Basic Patent (No,Kind,Date): IT 98610005 A0 980223 <No. of Patents: 002>

METODO DI PREPARAZIONE ISTANTANEA DI VERNICI E PITTURE (Italian)

Patent Assignee: COLORIFICIO ADRIATICO (IT)

Author (Inventor): ANONIMO ANONIMO

Language of Document: Italian

Patent Family:

| Patent No | Kind | Date | Applic No | Kind | Date |
|-----------|------|------|-----------|------|------|
|-----------|------|------|-----------|------|------|

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|-------------|----|--------|-----------|---|----------------|
| IT 98610005 | A0 | 980223 | IT 98PS 5 | A | 980223 (BASIC) |
|-------------|----|--------|-----------|---|----------------|

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|-------------|----|--------|-----------|---|--------|
| IT 98610005 | A1 | 990823 | IT 98PS 5 | A | 980223 |
|-------------|----|--------|-----------|---|--------|

Priority Data (No,Kind,Date):

IT 98PS 5 A 980223

TRANSLATION FROM ITALIAN

[Only legible entries with legible answers are translated.]

MINISTRY OF INDUSTRY, COMMERCE AND CRAFTS
Central Patent and Trademark Office [CPO] - Rome

FORM 0
[Documentary stamp,
canceled by illegible date]

Application for Patent of Industrial Invention,
reservation filing, and deferred accessibility to the public.

A. APPLICANT (I)

1) Name: **COLORIFICIO ADRIATICO**
Residence: **61030 LUCREZIA (PS), Via Pitone 86** Code: **00150130417**

B. AGENT OF THE APPLICANT AT THE CPO

Given and family name: **Gianluca Benedetti**
Name of office with which affiliated: **UFICIO BREVETTI PEDRINI & BENEDETTI**
Via Bruno Buozzi No. 63 City: **PESARO**, Postal Code: **61100**, Province: **PS**

D. TITLE

METHOD FOR INSTANTANEOUS PREPARATION OF VARNISHES AND PAINTS

APPENDED DOCUMENTATION

No. of copies

Doc. 1 2 No. of pages 12
Doc. 2 2 No. of figs. 01
Doc. 3 1

Certificate of payment, total in Lire: **THREE HUNDRED SIXTY-FIVE THOUSAND**

Signature of Applicant: **GIANLUCA BENEDETTI**
[Signature]

CONTINUATION - YES/NO: **NO**

An authenticated copy of this document is requested: YES/NO **YES**

PROVINCIAL OFFICE OF INDUSTRY, COMMERCE AND CRAFTS: **PESARO AND URBINO** Code: **41**
FILING RECORD - APPLICATION NUMBER **PS98A000005**
In the year Nineteen Hundred **NINETY-EIGHT** on Day **TWENTY-THREE** of the month of **FEBRUARY**.

THE FILER
[Illegible Signature]

[Seal of the Ministry]
Drafting Official

[Illegible Signature]

PS98A000005

UFFICIO BREVETTI
PEDRINI & NEBEDETTI
Patent Attorneys

[Remainder of letterhead not legible]

DESCRIPTION

in support of the application for a patent of industrial invention having the object and

TITLE

METHOD OF INSTANTANEOUS PREPARATION OF VARNISHES AND PAINTS

On behalf of the firm Colorificio Adriatico S.r.l., a limited liability company under Italian law, with central offices at Via Pilone No. 86, 61030 Lucrezia di Cartoceto, Province of Pesaro, Tax Code 00150130417, in the person of its legal representative, Mr. Paolo Marchionni;

- designated inventor: Mr. Paolo Marchionni, born in Fano, Province of Pesaro, on 10 February 1943, and residing at Via Caprara No. 14, Tax Code MRC PLA 43B10 D488I;

- through his attorney, Gianluca Benedetti, Counselor at Law in Pesaro, with domicile elected at Via Bruno Buozzi No. 63, 61100 Pesaro, at the offices of Pedrini & Benedetti, Patent Attorneys.

Filed on February 23, 1998, under No.

ABSTRACT

- Method for the instantaneous preparation of varnishes and paints including the preparation as needed of the bases for guided dosing [batching] of the relevant components and the addition of dyes.

CLAIMS

- 1) Method of preparation of varnishes, paints and the like, characterized by the fact that it includes as needed preparation of the bases for the guided dosing [batching] of the relevant components and the addition of dyes.
- 2) Method according to the first claim, characterized by the fact that it includes the constitution on the part of the retailer of mixtures and amalgams that are chromatically neutral or less diversified in terms of chemical and/or physical and/or dosing [batching] distinctive features of the components suitable for conferring on the varnishes and paints and the like all the characteristics and specificity of application and ensuing chromatic surface appearance by means of a handbook of combinations, dosages [batchings] and mixtures of the said constituents and relevant additives and the subsequent coloration to achieve tints and shades in accordance with the pantone instructions.
- 3) Method according to the foregoing claims, characterized by the fact that it is put into effect with base, coloring and additive components of any type in any desired assortment.
- 4) Method in accordance with the foregoing claims, characterized by the fact that it is put into effect by means of a mixing bench equipped with reservoirs for the components of the bases and colors as well as means for their dosage [batching] and mixing.

On drawing: TAVOLA = Table
FIGURA = Figure

DIALOGSELECT



Moisture resistant and mould resistant aqueous paint - NoAbstract
Patent Assignee: COLORIFICIO ADRIATICO SRL

Patent Family

| Patent Number | Kind | Date | Application Number | Kind | Date | Main IPC | Week | Type |
|---------------|------|----------|--------------------|------|----------|-------------|--------|------|
| IT 1274205 | B | 19970715 | IT 94PS3 | A | 19940304 | C04B-000/00 | 199819 | B |

Priority Applications (Number Kind Date): IT 94PS3 A (19940304)

Derwent World Patents Index
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Dialog® File Number 351 Accession Number 11793091



Polymeric paving slabs prodn. - NoAbstract
Patent Assignee: COLORIFICIO ADRIATICO SRL

Patent Family

| Patent Number | Kind | Date | Application Number | Kind | Date | Main IPC | Week | Type |
|---------------|------|----------|--------------------|------|----------|----------|--------|------|
| IT 1225393 | B | 19901113 | IT 8844029 | A | 19881024 | C08H | 199224 | B |

Priority Applications (Number Kind Date): IT 8844029 A (19881024)

Derwent World Patents Index
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Dialog® File Number 351 Accession Number 9067156

[Mostly illegible article of the Law]

[Documentary stamp canceled by date]

Ref.:

The undersigned applicant:

- 1) COLORIFICIO ADRIATICO COMPANY
- 2) 61030 LUCREZIA (PS) - VIA PILONE, 86 Codè: 00150130417

Applicant for the above-mentioned patent of the title:

**METHOD FOR THE INSTANT PREPARATION OF VARNISHES
AND PAINTS**

Designated as inventor:

PAOLO MARCHIONNI

Place and date:

Lucrezia 02/18/1998

Signature of applicant and agent

[Illegible]

CONSENT DECLARATION

The undersigned:

PAOLO MARCHIONNI

declares that he is the inventor of the invention subject of the above-mentioned patent application.

Lucrezia, 02/18/1998

Signature:
[illegible]

February 23, 1998

PS98A000005

[Stamp:]

**PROVINCIAL OFFICE OF INDUSTRY, COMMERCE AND CRAFTS
PESARO AND URBINO
DRAFTING OFFICIAL
[Signature]**

TRANSLATION FROM ITALIAN [Only entries with answers translated; answers are in bold face.]

MINISTRY OF INDUSTRY, COMMERCE AND CRAFTS
ITALIAN OFFICE OF PATENTS AND TRADEMARKS [IOPT]— ROME [Documentary stamp
canceled by date]

PATENT APPLICATION FOR INDUSTRIAL INVENTION. RESERVATION FILING,
ADVANCE ACCESSIBILITY TO THE PUBLIC [remainder illegible]

A. APPLICANT (I)

1) Name: **COLORIFICIO ADRIATICO** NG: SR
Domicile: **61030 LUCREZIA (PS), VIA PILONE 86** Code: 00150130417

B. AGENT OF THE APPLICANT AT THE IOPT

Given and family names: **GIANLUCA BENEDETTI** Tax code: **BNDGLC54H06L5000**

Name of office with which affiliated: **UFFICIO BREVETTI PEDRINI E BENEDETTI**
Via **BRUNO BUOZZI** No. 63 City: **PESARO**, Postal Code: **61100**, Province: **PS**

D. TITLE

METHOD FOR THE INSTANT PREPARATION OF VARNISHES AND PAINTS

APPENDED DOCUMENTATION

| | <u>No. of copies</u> | | |
|--------|----------------------|--------------|----------------|
| Doc. 1 | 2 | No. of pages | 12 [illegible] |
| Doc. 2 | 2 | No. of figs. | 01 [illegible] |
| Doc. 3 | 1 | | [illegible] |
| Doc. 4 | 1 | | [illegible] |

8) Certificate of payment, total in Lire: **THREE HUNDRED AND SIXTY-FIVE THOUSAND**

Signature of Applicant: **per GIANLUCA BENEDETTI**
[Signature]

CONTINUATION - YES/NO: **NO**

AN AUTHENTICATED COPY OF THIS DOCUMENT IS REQUESTED: YES/NO **YES**

PROVINCIAL OFFICE OF INDUSTRY, COMMERCE AND CRAFTS: **PESARO AND URBINO**

FILING RECORD - APPLICATION NUMBER **PS98A000005** CODE: 41
The year Nineteen Hundred and **NINETY-EIGHT** on Day **TWENTY-THREE** of the month of
FEBRUARY

VARIOUS ANNOTATIONS OF THE DRAFTING OFFICIAL

THE FILER
[Sgd.] **G. Benedetti**

[Seal of the Ministry]

Drafting Official
[Illegible Signature]

NAME OF INVENTOR

SUMMARY OF INVENTION WITH PRINCIPAL DRAWING

APPLICATION NUMBER: PS98A000005

DATE FILED: February 23, 1998

PATENT NUMBER:

DATE ISSUED:

A. REQUESTER [illegible]

Name
Domicile:

B. TITLE

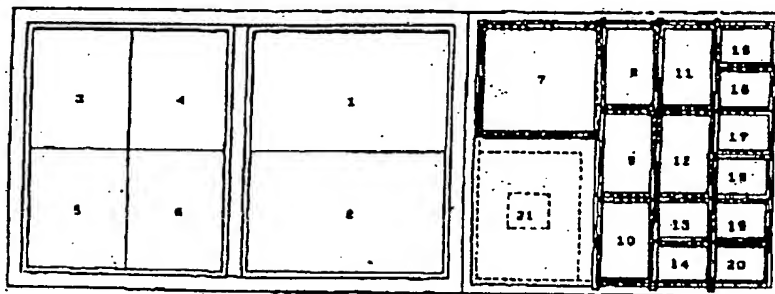
[Illegible]

I. ABSTRACT:

METHOD FOR THE INSTANT PREPARATION OF VARNISHES AND PAINTS INCLUDING PREPARATION, WHEN REQUIRED, OF BASES FOR GUIDED DOSAGE OF THEIR RESPECTIVE COMPONENTS AND ADDITION OF DYES.

[Illegible]

II. DRAWING



DESCRIPTION

complementary to the application for a patent of industrial invention having as object and

TITLE

METHOD FOR THE INSTANT PREPARATION OF VARNISHES AND PAINTS

* * * * *

On behalf of the company known as Colorificio Adriatico S. r. l., an Italian limited liability company, with head office in Lucrezia di Cartoceto, postal code 61030, Province of Pesaro, via Pilone No. 86, fiscal code 00150130417, in the person of their legal representative Mr. Paolo Marchionni;

- Mr. Paolo Marchionni, inventor designate, born in Fano, Province of Pesaro, on February 10, 1943, residing in Fano, postal code 61032, Province of Pesaro, Via Caprera No. 14, fiscal code MRC PLA 43B10 D488I;

- through their agent Gianluca Benedetti, attorney in Pesaro, with elected domicile in 61100 Pesaro at Via Bruno Buozzi No. 63, care of the Ufficio Brevetti Pedrini & Benedetti.

Registered on February 23, 1998 under No.

SUMMARY

- Method for the instant preparation of varnishes and paints including, when required, bases for guided dosage of their respective components and addition of dyes.

DETAILED DESCRIPTION

Scope of technology

- Already known in the retail sale of varnishes, paints, and the like is the technology for preparing, when required, tints and color shades requested by the customer, by mixing appropriate quantities of color bases as indicated by the Pantone system, which visually identify the color contingently desired and combine the doses required to obtain same;

• this technology provides retailers with a wide range of products without burdening their storage facilities, resulting in benefits in terms of reduced inventory, space and anything else intuitive.

Identifying a specific technical problem

- However, the known technology identified alleviates only the burden on the retailer's warehouse since "bases" for varnishes and paints, intended as the substances and amalgams chromatically neutral or less diversified as to chemical and/or physical distinctive features and/or as to dosage of components, which serve to give the product all the additional characteristics and specificities of application, as well as subsequent surface appearance with respect to chromaticity, still remain a relatively considerable plurality, as a result of which a retailer is forced to keep an appropriate inventory of all "bases", each in the relative multiplicity of different packaging for quantity use.

Purpose of the invention

- Therefore, the main objective of this invention, within the above-mentioned scope, is to provide a technology designed to further limit the need for stock assortment where paint and varnish retailers are concerned.
- Another objective of this invention is to accomplish the previous objective through a technology of easy and quick implementation.
- One more objective of this invention is to accomplish the previous objectives through a suitable technology to be adopted in as wide as possible a field of application, as well as to be compatible with the polyvalence and modularity requirements that are increasingly in force in the specific sector.
- A further objective of this invention is to achieve the previous objectives through devices that are easy to implement.
- A further objective of this invention is to achieve the previous objectives through a technology that is both simple and effective, safe to implement, as well as relatively cost-effective in consideration of the results obtained in practice.

Abstract of the solution principle

- These as well as still other objectives, not all of them achieved through the method for the instant preparation of varnishes and paints, according to this invention, including the preparation of bases, when required, for guided dosage of their respective components and addition of dyes.

Identifying the attached drawings

- Other features and advantages of the method according to this invention will be more apparent from the following detailed description of one of its forms of preferred but not exclusive embodiments, referred to only by way of example and not limited to a device of relevant implementation schematically shown in the only table of drawings attached hereto.

Description of the implementation example

- The method according to this invention envisages, in lieu of acquisition and storage by retailers of bases for paints and varnishes prepared in advance, in a relatively considerable variety for different grades and features, as well as, within these, a selection of packaging for different amounts, the preparation of bases by the retailers themselves;
- retailers are provided, if needed, with the basic components of bases, and their additives, in the reduced plurality whose differential combination and dosage will produce essentially all the bases of usual use and commercial availability, or a greater part of them;
- retailers are also provided with a handbook for formulating, dosing, and mixing the components supplied and their additives in order to obtain the basic preparations used in formulating paints and varnishes;
- to these bases, thus contingently prepared as needed, can later be added the colors to obtain the tints and shades required, as per Pantone instructions.
- The method just described can be implemented through the device shown by way of example in the sole attached table of drawings:
 - which illustrates, in extreme schematic outline, the plan of a sales counter, on one side of which the sales personnel operate, with the customers on the other side;
 - the counter includes altogether twenty containers or tanks which can be conceptually subdivided into two groups, the first six containing bases and the remaining fourteen containing additives and coloring pastes, in greater detail;
 - numbers 1 and 2 indicate two containers or tanks of larger size, preferably made of fiberglass, designed to contain basic components of more frequent and wider use, as for example "neutral smooth base" and "neutral quartz base";

- numbers 3 to 6, then, indicate four containers or tanks of smaller sizes, designed to contain as many other basic components, as for example "extender filler", "transparent acrylic resin", "acrylic styrene resin" and "vinyl versatate";
- proceeding to the second group of containers, number 7 indicates the largest container or tank of this group, designed to contain the basic color of widest use, that is "white color paste";
- in addition, numbers 8 to 12 indicate four other containers or tanks of smaller sizes, the first designed to contain the first other basic color of widespread use, that is "yellow ochre color paste" and the other four to contain additives, e.g. "silicate", "CR - SB solution", "lime" and "siloxane additive";
- numbers 13 to 20 finally indicate the last eight containers or tanks of still smaller size, designed to contain other basic colors, for example "red color paste", "blue color paste", "orange color paste", "red titanate color paste", "yellow color paste", "black color paste", "yellow-titanate color paste", and "green color paste".
- The structure then is completed by a dispensing head, schematically illustrated and indicated by 21, to be intended as equipped with a metering device connected to pipes drawing through their respective pumps in each of the containers or tanks numbered 1 to 20.

Implementation alternatives

- It is obvious that in other alternative forms of implementation but always within the concept of innovation subsumed under the example of implementation shown above and claimed hereunder, the method according to this invention may also be implemented with various and/or other basic components and coloring and additive agents, as well as materialized in devices including technical and mechanical equivalents, also equipped with other integrative devices and with configurations of their respective components however varied in a manner suitable for the purpose.

Advantages of the invention

- As is obvious from the preceding detailed description of a preferred example of implementation, the method according to this invention offers such advantages as correspond to the achievement of the predetermined objectives and still others: as a matter of fact, it integrates a feasible technology of simple implementation to drastically contain the need for assortment of the inventory held by retailers of varnishes, paints, and the like.

Scope of the protection requested

Having thus described the method according to this invention with reference to a preferred form of implementation, it will be obvious to want to protect all possible forms of embodiment with variants of normal implementation for experts in the field, which forms will not modify the invention without diverging from the objectives expected of it; by this we intend, both in the preceding description and the following claims, to protect all forms of implementation and variants within the solution concept, in the spirit and objectives of the invention itself.

CLAIMS

- 1) Method of preparation of varnishes, paints and the like, characterized by the fact of including preparation, when required, of bases for guided dosage of their respective components and addition of dyes.
- 2) Method according to the first claim, characterized by the fact of including formulation on the part of retailers of mixtures and amalgams chromatically neutral or less diversified as to chemical and/or physical distinctive features, and/or of dosage of components apt to confer on the varnishes, paints and the like all the other characteristics and specificities of application and subsequent surface appearance with respect to chromaticity, by means of a handbook for combining, dosing, and mixing said components and their respective additives, as well as subsequent coloring to obtain the tints and shades in accordance with the Pantone instructions.
- 3) Method according to the preceding claims, characterized by the fact of being implemented with basic components, coloring and addition of additives of any type in any assortment whatsoever.
- 4) Method according to the preceding claims, characterized by the fact of being implemented by means of a mixing bench equipped with tanks for the basic components and colors, as well as facilities for their corresponding dosage and mixing.
- 5) Method according to the preceding claims, characterized by the fact of being implemented by means of a sales mixing bench equipped with a variety of containers and tanks, and by metering means connected to pipes and pumps combined with said containers and tanks.
- 6) Method according to the preceding claims, characterized by the fact of being implemented by means of a mixing bench that is structured and sized suitably for the purpose.
- 7) Method according to the preceding claims, characterized by the fact of being implemented by means of a mixing bench including containers and tanks that are quantified, structured, and also reciprocally sized suitably for the purpose.
- 8) Method according to the preceding claims, characterized by the fact of being implemented by means of a mixing bench, including containers and tanks made of any material suitable for the purpose.

- 9) Method according to the preceding claims, characterized by the fact of being implemented by means of a mixing bench with metering dispensing means connected to pipes and pumps combined with containers and tanks of any type whatsoever suitable for the purpose and structured accordingly.
- 10) Method for the preparation of varnishes, paints and the like according to the preceding claims and substantially as described and illustrated with reference to the attached table of drawings as well as for the specified purposes.

p.p. Colorificio Adriatico s.r.l.

The Agent

Attorney Gianluca Benedetti

February 23, 1998

MINISTERO DELL'INDUSTRIA DEL COMMERCIO E DELL'ARTIGIANATO
UFFICIO ITALIANO BREVETTI E MARCHI - ROMA
DOMANDA DI BREVETTO PER INVENZIONE INDUSTRIALE. DEPOSITO RISERVE, ANTICIPATA ACCESSO

A. RICHIEDENTE (1)

1) Denominazione COLORIFICIO ADRIATICO
Residenza 61030 LUCREZIA (PS) VIA PILONE, 86

2) Denominazione
Residenza

codice 00150130417

B. RAPPRESENTANTE DEL RICHIEDENTE PRESSO L'U.I.M.

cognome e nome: BENEDETTI GIANLUCA

cod. fiscale BNDGLC54H06L500C

denominazione studio di appartenenza UFFICIO BREVETTI PEDRINI E BENEDETTI
via BRUNO BUOZZI n. 63 città PESARO

cap 61100 (prov) PS

C. DOMICILIO ELETTIVO destinatario

via

n. 1

città

cap

(prov)

D. TITOLO

classe proposta (senza sc)

gruppo-sottogruppo

METODO DI PREPARAZIONE ISTANTANEA DI VERNICI E PITTURE

ANTICIPATA ACCESSIBILITÀ AL PUBBLICO: SI / NO

SE ISTANZA: DATA

N° PROTOCOLLO

E. INVENTORI DESIGNATI

cognome nome

cognome nome

1)

3)

2)

4)

F. PRIORITÀ

nazione e organizzazione

tipo di priorità

numero di domanda

data di deposito

allegato
S R

SCIOGLIMENTO RISERVE

Data

N° Protocollo

1)

2)

G. CENTRO ABILITATO DI RACCOLTA CULTURE DI MICROORGANISMI, denominazione

H. ANNOTAZIONI SPECIALI

DOCUMENTAZIONE ALLEGATA

N. n°

Doc. 1: 2

PROV

n. doc. 12

nascono con disegno principale, descrizione e rivendicazioni (obbligatorio 1 esemplare)

Doc. 2: 2

PROV

n. n° 01

disegno obbligatorio se chiede in descrizione 1 esemplare

Doc. 3: 1

ME

lettera di incarico, incarico o riferimento processo generale

Doc. 4: 1

ME

designazione inventore

Doc. 5: 1

ME

documenti di ricerca con traduzione in italiano

Doc. 6: 1

ME

autorizzazione e atto di cessione

Doc. 7: 1

ME

relativo completo del richiedente

Allestire il versamento, totale lire

TRECENTOESSANTACINQUEMILA

COMPILATO IL

FIRMA DEL (1) RICHIEDENTE (1)

P.P. GIANLUCA BENEDETTI

CONTINUA SINO NO

DEL PRESENTE ATTO SI RICHIEDE COPIA AUTENTICA SINO SI

SCIOGLIMENTO RISERVE

Data

N° Protocollo

obbligatorio

UFFICIO PROVINCIALE IND. COMM. ART. DI

PESARO E URBINO

codice 41

VERBALE DI DEPOSITO

NUMERO DI DOMANDA

PS98A000005

Reg. A.

L'atto infrenescato

NOVANTOTTO

il giorno VENTITRE

del mese di FEBBRAIO

Il (1) richiedente (1) soprindicato (1) ha (nomina) presentato a me sottoscritto la presente domanda, corredata di n. 00 fogli allegati per la concessione del brevetto soprariportato

L. ANNOTAZIONE VARIE DELL'UFFICIO ROGANTE

B. DEPOSITANTE
G. Benedetti



L'UFFICIO ROGANTE
Polo B. B. B.

Ref:

N° della domanda:

23

La sottoscritta/i richiedente:

1) Denominazione DITTA COLORIFLO ADRIATICO
2) Indirizzo 61030 UCREZIA (PS) - VIA PILONE 36 città 00150 ROMA
3) Domicilio _____
4) Professione _____

richiedente della domanda di brevetto sopra menzionata del titolo:

METODO DI PREPARAZIONE ISTANTANEA DI VERNICI
E PITTURE

designa come inventore/i.

1) MARCHIONNI PAOLO 2) _____
3) _____ 4) _____

Lunga e data:

Luceria 18/02/1998

Firma del richiedente o del rappresentante

Paolo Marchionni

Il sottoscritto/i sottoscritti:

DICHIARAZIONE DI CONSENSO

1) MARCHIONNI PAOLO 2) _____
3) _____ 4) _____

dichiaro (no) di essere l'inventore/i inventori del trovato di cui alla domanda di brevetto sopra menzionata.
Lunga e data:

Luceria 18/02/1998

Firma

Paolo Marchionni

23 FEB. 1998

PS98/000005



UFFICIO PROVINCIALE INDUSTRIA
COMMERCIO E ARTIGIANATO
LUCANIA - REGGIO CALABRIA

Paolo Marchionni

NUMERO DI INTERVENZIONE DATA DICHIARAZIONE PRINCIPALE

NUMERO DOMANDA PS98A000005

REG. A

DATA DI DEPOSITO 23.02.1998

NUMERO BREVETTO

DATA DI RILASCIO

A. RICHIEDENTE (N)

Struttura

Residenza

B. TITOLO

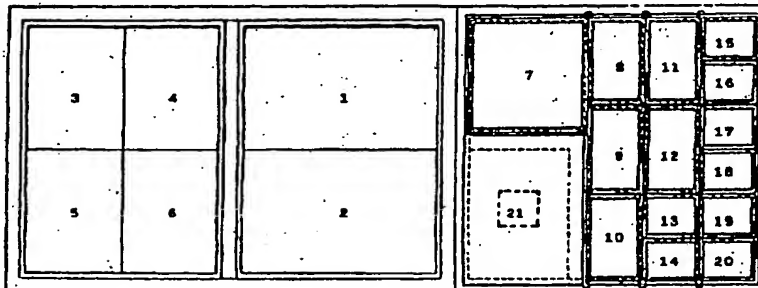
Classi proposte (int./cl. nat.)

(gruppo/sottogruppo)

C. RASSEMBLATO

METODO DI PREPARAZIONE ISTANTANEA DI VERNICI E PITTURE COMPRENDENTE APPRONTAMENTO ALL'OCCORRENZA DELLE BASI PER DOSAGGIO GUIDATA DEI RELATIVI COMPONENTI ED ADDIZIONAMENTO DI COLORANTI.

IL DISEGNO



UFFICIO Brevetti
Pedrini & Benedetti
Studio Associato - Viale S. Buozzi, 63
61100 Pesaro PS (TE 0721/30360)
C.P. e P. IVA 09520730411

PS987000005

DESCRIZIONE

a corredo della domanda di brevetto per invenzione industriale
avente ad oggetto e

TITOLO

METODO DI PREPARAZIONE ISTANTANEA DI VERNICI E PITTURE

A nome della Ditta Colorificio Adriatico S.r.l., Società a
responsabilità limitata di diritto italiano, con sede in 61030
Lucrezia di Cartoceto, Provincia di Pesaro, alla Via Pilone n.
86, codice fiscale 00150130417, in persona del legale
rappresentante Signor Paolo Marchionni;

- inventore designato Signor Paolo Marchionni, nato a Fano,
Provincia di Pesaro, il 10 febbraio 1943, residente in 61032
Fano, Provincia di Pesaro, alla Via Caprera n. 14, codice
fiscale MRC PLA 43B10 D4881;

- a mezzo mandatario Gianluca Benedetti, avvocato in Pesaro,
con domicilio eletto in 61100 Pesaro alla Via Bruno Buozzi n.
63 presso l'Ufficio Brevetti Pedrini & Benedetti.

Depositata in data 23 FEB. 1998 con n.

RIASSUNTO

- Metodo di preparazione istantanea di vernici e pitture
comprendente approntamento all'occorrenza delle basi per
dosaggio guidato dei relativi componenti ed addizionamento di
coloranti.



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3

DESCRIZIONE DETTAGLIATA

Ambito della tecnica

- Nella vendita al dettaglio di vernici, pitture e simili è già nota la tecnica di approntare all'occorrenza le tinte e tonalità cromatiche richieste dal cliente, miscelando le debite quantità di colorazioni base sul dettato di pantoni che individuano visivamente la colorazione contingentemente voluta e vi associano i dosaggi per addivenire alla stessa;
- tale tecnica consente ai rivenditori assortimento senza gravar sul magazzino, con conseguenti vantaggi in termini di riduzione giacenze, spazi e quant'altro di intuitivo.

Individuazione dello specifico problema tecnico

- La testè individuata tecnica nota, però, allevia solamente il fardello del magazzino in capo ai rivenditori, perchè le "basi" di vernici e pitture, intese per tali le sostanze ed amalgame, cromaticamente neutre o meno, diversificate per peculiarità chimiche e/o fisiche e/o di dosaggio dei componenti, che servono a dare al prodotto tutte le caratteristiche e specificità di applicazione ed apparenza superficiale ulteriori rispetto alla cromaticità, rimangono pursempre una relativamente notevole pluralità, di tal che il rivenditore è comunque costretto a detener idonea scorta di tutte le "basi", ognuna nella relativa molteplicità di differenti confezioni per quantitativo d'uso.

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Giulio Benedetti

4

Scopi del trovato

- Scopo principale del presente trovato è pertanto, nel quadro sopra fornito, quello di provvedere una tecnica atta ad ulteriormente limitare la necessità di assortimento delle scorte in capo ai rivenditori di vernici e pitture.
- Altro scopo del presente trovato è quello di conseguire lo scopo precedente attraverso una tecnica di facile e rapida attuazione.
- Altro scopo ancora del presente trovato è quello di conseguire gli scopi precedenti attraverso una tecnica idonea ad essere adottata in quanto più possibile vasto ambito di applicazione, nonché congegnale alle esigenze di polivalenza e modularità viepiù vigenti nello specifico settore.
- Ulteriore scopo del presente trovato è quello di conseguire gli scopi precedenti con dispositivi di semplice attuazione.
- Ulteriore scopo ancora del presente trovato è quello di conseguire gli scopi precedenti attraverso una tecnica semplice ed efficace, di attuazione sicura con costi relativamente economici, in considerazione dei risultati praticamente raggiunti.

Estratto riassuntivo del concetto di soluzione

- Questi ed altri scopi ancora son tutti conseguiti con il metodo di preparazione istantanea di vernici e pitture, secondo il presente trovato, comprendente approntamento all'occorrenza

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Milano

delle basi per dosaggio guidato dei relativi componenti ed addizionamento di coloranti.

Individuazione dei disegni allegati

- Ulteriori caratteristiche e vantaggi del metodo secondo il presente trovato appariranno maggiormente evidenti dalla descrizione dettagliata che segue di una sua forma di realizzazione preferita ma non esclusiva, riferita a solo titolo esemplificativo e non limitativo ad un dispositivo di relativa attuazione schematicamente illustrato nell'unica tavola di disegni allegata.

Descrizione dell'esempio di realizzazione

- Il metodo secondo il presente trovato contempla, in luogo dell'acquisizione e stoccaggio da parte dei rivenditori di basi per pitture e vernici preconfezionatamente approntate, nella relativamente notevole molteplicità per differenti qualità e caratteristiche nonché, all'interno di queste, per assortimento di confezioni di diverso quantitativo, la preparazione delle stesse basi da parte dei medesimi rivenditori;
- ai rivenditori vengono all'uopo forniti gli elementi costitutivi fondamentali delle basi, e relativi additivi, nella ridotta pluralità la cui differenziata combinazione e dosaggio origina sostanzialmente tutte le basi di usuale impiego e reperibilità commerciale, o comunque gran parte di esse;
- ai rivenditori viene altresì fornito prontuario di combinazione, dosaggio e miscelazione dei costituenti forniti e

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relativi additivi, onde addivenire ai vari preparati di base per la costituzione delle pitture e vernici;

- alle quali basi, così contingentemente approntate alla bisogna, possono poi essere aggiunti i colori per addivenir alle tinte e sfumature richieste, come da istruzioni di pantone.

- Il metodo testè descritto può essere attuato con il dispositivo esemplificativamente rappresentato nell'unica tavola di disegni allagata:

- è ivi, in estrema sintesi schematica, illustrata la pianta di un bancone di vendita, su un fronte del quale operano gli addetti alla vendita, mentre sull'altro staziona la clientela;

- il bancone ingloba complessivamente numero venti recipienti o serbatoi, concettualmente suddivisibili in due gruppi, i primi sei per il contenimento delle basi ed i restanti quattordici additivi e paste coloranti, più in dettaglio:

- con i numeri 1. e 2 sono indicati due recipienti o serbatoi di dimensioni maggiori, preferibilmente realizzati in vetroresina, destinati a contenere i costituenti di base di più frequente ed ampio impiego, per esempio "base neutra liscia" e "base neutra al quarzo";

- con i numeri da 3 a 6 sono poi indicati quattro recipienti o serbatoi di dimensioni inferiori, destinati a contenere altrettanti ulteriori costituenti di base, per esempio "carica

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Gianfranco Bonadelli

extender", "resina trasparente acrilica", "resina stirolo acrilica" e "vinil versatato".

- Passando al secondo gruppo di contenitori, con il numero 7 è indicato il maggiore dei recipienti o serbatoi di questo gruppo, destinato a contenere la colorazione fondamentale di più ampio impiego, ovvero "pastacolor bianco";

- con i numeri da 8 a 12 sono inoltre indicati altri quattro recipienti o serbatoi di dimensioni più ridotte, destinati a contenere il primo altra colorazione fondamentale di ampio impiego, ovvero "pastacolor giallo ocra", e gli altri quattro degli additivi, per esempio "silicato", "soluzione CR - SB", "calce" ed "additivo silossanico";

- con i numeri da 13 a 20 sono infine indicati ultimi otto recipienti o serbatoi, di dimensioni ulteriormente più contenute, destinati ad ospitare ulteriori colorazioni fondamentali, per esempio "pastacolor rosso", "pastacolor blu", "pastacolor arancio", "pastacolor rosso titanato", "pastacolor giallo", "pastacolor nero", "pastacolor giallo titanato" e "pastacolor verde".

- La struttura è poi completata da una testa di distribuzione, schematicamente illustrata ed indicata con 21, da intendersi dotata di dosatore collegato a tubazioni che pescano tramite rispettive pompe in ognuno dei contenitori o serbatoi numerati da 1 a 20.

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Gianluca Benedetti

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Ginevra Benedetti

trovato senza uscire dagli scopi previsti dallo stesso; con ciò
si intende, tanto nella descrizione che precede quanto nelle
rivendicazioni che seguono, proteggere tutte le forme di
attuazione e le varianti che rientrano nel concetto di
soluzione, nello spirito e negli scopi del trovato medesimo.

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E COMMERCIO
FEDERICO BONARDI

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FEDERICO BONARDI
GEMELLI BONARDI

PS98/000005

10

RIVENDICAZIONI

- 1) Metodo di preparazione di vernici, pitture e simili, caratterizzato dal fatto di comprendere approntamento all'occorrenza delle basi per dosaggio guidato dei relativi componenti ed addizionamento di coloranti.
- 2) Metodo come da prima rivendicazione, caratterizzato dal fatto di comprendere costituzione da parte dei rivenditori delle miscele e amalgame cromaticamente neutre o meno diversificate per peculiarità chimiche e/o fisiche e/o di dosaggio dei componenti idonee a conferire a vernici pitture e simili tutte le caratteristiche e specificità di applicazione ed apparenza superficiale ulteriori rispetto alla cromaticità, tramite prontuario di combinazione, dosaggio e miscelazione dei detti costituenti e relativi additivi e successiva colorazione per addivenir a tinte e sfumature come da istruzioni di pantone.
- 3) Metodo come da rivendicazioni precedenti, caratterizzato dal fatto di essere attuato con componenti di base, colorazione ed additivizzazione di qualsiasi tipo in qualsivoglia assortimento.
- 4) Metodo come da rivendicazioni precedenti, caratterizzato dal fatto di essere attuato tramite banco miscelatore corredato di serbatoi per i componenti delle basi ed i colori nonché dei mezzi di relativo dosaggio e miscelazione.



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Studio Associato

- 5) Metodo come da rivendicazioni precedenti, caratterizzato dal fatto di essere attuato tramite banco miscelatore di vendita fornito di una pluralità di contenitori e serbatoi e da mezzi dosatori distributori collegati a tubazioni e mezzi di pompaggio associati a detti contenitori e serbatoi.
- 6) Metodo come da rivendicazioni precedenti, caratterizzato dal fatto di essere attuato tramite banco miscelatore comunque strutturato e dimensionato in modo idoneo allo scopo.
- 7) Metodo come da rivendicazioni precedenti, caratterizzato dal fatto di essere attuato tramite banco miscelatore comprendente contenitori e serbatoi comunque quantificati, strutturati ed anche reciprocamente dimensionati in modo idoneo allo scopo.
- 8) Metodo come da rivendicazioni precedenti, caratterizzato dal fatto di essere attuato tramite banco miscelatore comprendente contenitori e serbatoi realizzati in qualsiasi materiale idoneo allo scopo.
- 9) Metodo come da rivendicazioni precedenti, caratterizzato dal fatto di essere attuato tramite banco miscelatore con mezzi dosatori distributori collegati a tubazioni e mezzi di pompaggio associati a contenitori e serbatoi di qualsivoglia tipo idoneo allo scopo e comunque strutturati.

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REGISTRO E RENDICONTI
Cognome, Nome e Iniziale

10) Metodo di preparazione di vernici, pitture e simili secondo le rivendicazioni precedenti e sostanzialmente come descritto ed illustrato anche con riferimento alla tavola di disegni allegata nonchè per gli scopi specificati.

p.p. Colorificio Adriatico S.r.l.

Il Mandatario

avv. Gianluca Benedetti

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Gianluca Benedetti

23 FEB. 1998



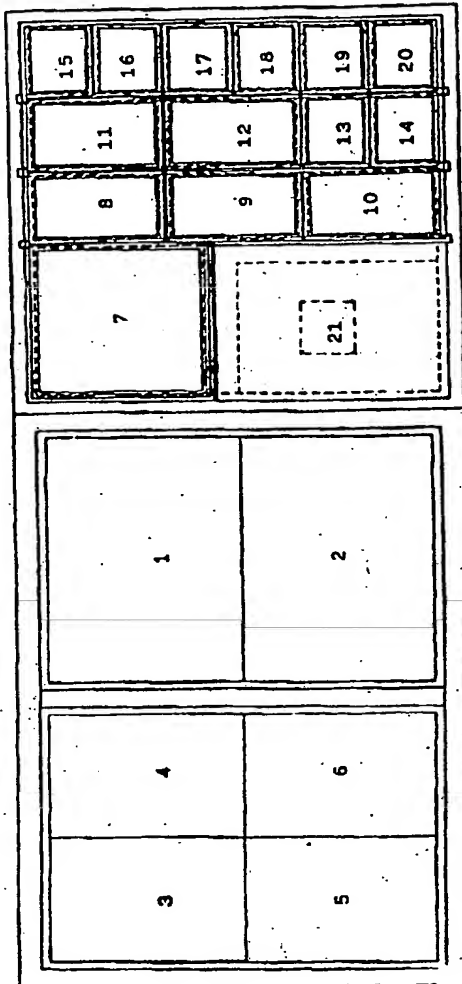
UFFICIO PROVINCIALE INDUSTRIA

GIANATO
UFFICIO
Provincia

Ufficio Brevetti - Viale S. Rocco, 10
10100 Pavia 23 (02 672/2000)
C.F. e P. IVA 000070411

TAVOLA 1

FIGURA 1



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COMMERCIO E ARTIGIANATO
Pavia 23 - Viale S. Rocco, 10
10100 Pavia 23 (02 672/2000)
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PS987.000005

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10100 Pavia 23 (02 672/2000)
C.F. e P. IVA 000070411